

7. (Amended) Method according to Claim 5 in which said regeneration is carried out by passing a regeneration solution through the column(s) in the reverse direction from the direction of circulation of the liquid to be treated.

9. (Amended) Method according to Claim 7 in which at the end of the regeneration step, said regeneration solution containing the metals initially fixed on the resin is treated to recover the metals.

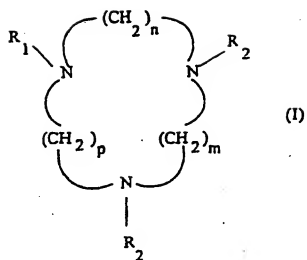
10. (Amended) Method according to Claim 1 comprising a prior step for treatment of the liquid by contacting with an ion exchanger or organic or mineral adsorbent different from said polyazacycloalkane resin grafted on a support.

17. (Amended) Method according to Claim 1 in which the treated liquid is an aqueous liquid.

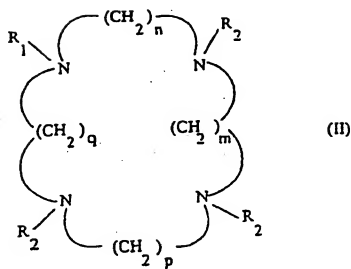
18. (Amended) Method according to Claim 1 in which the treated liquid is a radioactive aqueous effluent with low activity.

20. (Amended) Method according to Claim 16 in which the liquid is a biological fluid, such as blood and the cations removed are copper and aluminium.

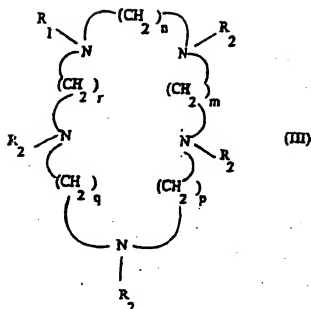
21. (Amended) Method according to Claim 1 in which said chelating ion exchange resin formed from polyazacycloalkane grafted on a solid support fulfils one of the three formulas (I), (II) and (III) below:



(I)



(II)



in which  $n, m, p, q$  which may be the same or different are equal to 2 or 3,  $R_1$  is a solid support,  $R_2$  represents the hydrogen atom or the  $(CH_2)_2-R_3$  group,  $R_3$  being a functional group chosen from the group formed by  $COOH, CONH_2, CH_2OH, CN$  or  $COOR_4$ ,  $R_4$  representing an alkyl or benzyl group, or  $R_2$  represents the  $-(CH_2)-R_5$  group,  $R_5$  representing  $COOH$  or  $PO_3R_6$ ,  $R_6$  representing an alkyl group or hydrogen.

22. (Amended) Method according to Claim 1 in which the solid support is an organic polymer that may or may not be crosslinked.

32. (Amended) Method according to Claim 30 in which the amount of polyazacycloalkane grafted per unit weight of solid support, such as silica is greater than 0.4 mmol.g<sup>-1</sup>.

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36. (New) Method according to Claim 6 in which said regeneration is carried out by passing a regeneration solution through the column(s) in the reverse direction from the direction of circulation of the liquid to be treated.

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